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Positions Held

- Senior Scientist, Chemical Sciences Division, Lawrence Berkeley National Laboratory, Berkeley, California, since 2011
- Divisional Fellow, Chemical Sciences Division, Lawrence Berkeley National Laboratory, Berkeley, California, 2006 – 2011
- Postdoctoral Fellow, Chemistry Department, Queen's University, Kingston, Ontario, 2006
- Assistant Research Officer, Atomic, Molecular and Optical Sciences Group, Steacie Institute for Molecular Sciences, National Research Council of Canada, Ottawa, Ontario, 2005 – 2006
- Canadian Government Laboratory Visiting Fellow, Atomic, Molecular and Optical Sciences Group, Steacie Institute for Molecular Sciences, National Research Council of Canada, Ottawa, Ontario, 2002 –2005

Honors

Fellow of the American Physical Society – 2015; LBNL Director's Award for Exceptional Scientific Achievement – 2014; Early Career Research Program Award of the DOE Office of Science – 2012; Steacie Institute for Molecular Sciences Annual Award for Scientific Breakthrough and Technical Innovation – 2005; NSERC Visiting Fellowship in Canadian Government Laboratories – 2002.

Invited Talks & Lectures (since 2014, selected)

- Science@FELs Conference, Trieste, Italy (2016).
- Research Opportunities in Photochemistry, Solar Energy & Advanced X-ray Methods workshop, SLAC, Menlo Park CA (2016).
- Gordon Conference on Photoionization and Photodetachment, Lucca, Italy (2016).
- The International Chemical Congress of Pacific Basin Societies (PACIFICHEM), Honolulu HI (2015).
- EMN Meeting on Ultrafast Research in Energy Materials and Nanotechnology, Las Vegas NV (2015).
- 15th International Conference on Electronic Structure and Spectroscopy (ICESS), Stony Brook NY (2015).
- 98th National Meeting of the Canadian Society for Chemistry, Ottawa, Canada (2015).
- 10th International Conference on Quantum Fluid Clusters (QFC), Toulouse, France (2015).
- Guest Lecture, College of Chemistry, UC Berkeley (2014).
- 61st International Symposium & Exhibition of the American Vacuum Society (AVS), Baltimore MD (2014).
- 23rd Congress and General Assembly of the International Union of Crystallography (IUCr), Montréal, Canada (2014).
- Gordon Conference on Molecular and Ionic Clusters, Lucca, Italy (2014).

Other Professional Activities

- Chair, DAMOP Program Subcommittee on Light Source and Ultrafast Laser Science (2014, 2015, 2016).
- Co-chair, Soft X-ray in Energy and Time (SXET) Workshop, Berlin (2015).

- Co-chair, Physical Chemistry Symposium, 44th Western Regional ACS Meeting, Santa Clara CA (2013).
- Guest editor, Chemical Physics - Special Issue: Attosecond spectroscopy (2013).
- Co-chair, Workshop on time-resolved science at the ALS, Advanced Light Source Users' Meeting, Berkeley CA (2011).
- Co-chair, Focus Session on ultrafast dynamics & imaging and Langmuir Prize Session at APS March Meeting, Dallas TX (2011).
- Chair, "The Future of Ultrafast Soft X-ray Science" workshop, Berkeley CA (2009).
- Reviewer for the Department of Energy (DOE), National Science Foundation (NSF), Deutsche Forschungsgemeinschaft (DFG), Advanced Light Source (ALS), Science, Phys. Rev. Lett., Phys. Rev. A, Nat. Phys., Nat. Commun., J. Chem. Phys., J. Phys. Chem. Lett., J. Phys. Chem. A, Chem. Phys., Struct. Dyn., Sci. Rep., J. Med. Imaging.

Education

Ph.D. – (Physics), Technische Universität Berlin and Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin, Germany, 2002.

M.S. – (Diplom, Physics), Technische Universität Berlin, Freie Universität Berlin, and Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin, Germany, 1996.

B.S. – (Vordiplom, Physics), Technische Universität Berlin, Germany, 1991.

Graduate and Postdoctoral Advisors:

Prof. Uwe Becker, Graduate Advisor, Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin, Germany.

Prof. Albert Stolow, Postdoctoral Advisor, Steacie Institute for Molecular Sciences, Ottawa.

Publications

1. Charles Bernando, Rico Mayro P. Tanyag, Curtis Jones, Camila Bacellar, Maximilian Bucher, Ken R. Ferguson, Daniela Rupp, Michael Ziemkiewicz, Luis F. Gomez, Adam S. Chatterley, Tais Gorkhover, Maria Mueller, John Bozek, Sebastian Carron, Justin Kwok, Samuel L. Butler, Thomas Moeller, Christoph Bostedt, Oliver Gessner and Andrey F. Vilesov, "Shapes of Rotating Superfluid Helium Nano-droplets", Phys. Rev. B, *submitted* (2016).
2. S. Neppl, J. Mahl, A. Shavorskiy, H. Bluhm, and O. Gessner, "Probing charge dynamics in bare and dye-sensitized ZnO nanocrystals with time-resolved XPS", in *Ultrafast Phenomena XX*, Louis DiMauro, Makoto Kuwata-Gonokami, Giulio Cerullo, Jennifer Ogilvie, Eds., *submitted* (2016), <https://doi.org/10.1364/UP.2016.UTu4A.13>.
3. Florian Lackner, Adam S. Chatterley, Chaitanya D. Pemmaraju, Kristina D. Closser, David Prendergast, Daniel M. Neumark, Stephen R. Leone, and Oliver Gessner, "Direct observation of ring-opening dynamics in strong-field ionized selenophene using femtosecond inner-shell absorption spectroscopy", J. Chem. Phys., *submitted* (2016).
4. Adam S. Chatterley, Florian Lackner, C. D. Pemmaraju, Daniel M. Neumark, Stephen R. Leone, and Oliver Gessner, "Dissociation dynamics and electronic structures of highly excited ferrocenium ions studied by femtosecond XUV absorption spectroscopy", J. Phys. Chem. A, 2016, DOI: 10.1021/acs.jpca.6b09724, <http://dx.doi.org/10.1021/acs.jpca.6b09724>.
5. Stefan Neppl, Johannes Mahl, Anton S. Tremsin, Bruce Rude, Ruimin Qiao, Wanli Yang, Jinghua Guo, and Oliver Gessner, "Towards efficient time-resolved X-ray absorption studies of electron dynamics at photocatalytic interfaces", Faraday Discuss., 2016, DOI: 10.1039/C6FD00125D, <http://pubs.rsc.org/en/content/articlelanding/2014/fd/c6fd00125d>.

6. Adam S. Chatterley, Florian Lackner, Daniel M. Neumark, Stephen R. Leone, and Oliver Gessner, "Tracking dissociation dynamics of strong-field ionized 1,2-dibromoethane with femtosecond XUV transient absorption spectroscopy", *Phys. Chem. Chem. Phys.* **18**, 14644, (2016), <http://pubs.rsc.org/en/content/articlelanding/2016/cp/c6cp02598f>.
7. Curtis F. Jones, Charles Bernando, Rico Mayro P. Tanyag, Camila Bacellar, Ken R. Ferguson, Luis F. Gomez, Denis Anielski, Ali Belkacem, Rebecca Boll, John Bozek, Sebastian Carron, James Cryan, Lars Englert, Sascha W. Epp, Benjamin Erk, Lutz Foucar, Robert Hartmann, Daniel Neumark, Daniel Rolles, Artem Rudenko, Katrin R. Siefertmann, Fabian Weise, Benedikt Rudek, Felix P. Sturm, Joachim Ullrich, Christoph Bostedt, Oliver Gessner, and Andrey F. Vilesov, "Coupled motion of Xe clusters and quantum vortices in He nanodroplets", *Phys. Rev. B* **93**, 180510(R) (2016), <http://journals.aps.org/prb/abstract/10.1103/PhysRevB.93.180510>.
8. Oliver Gessner and Markus Gühr, "Monitoring Ultrafast Chemical Dynamics by Time-Domain X-Ray Photo- and Auger-Electron Spectroscopy", *Acc. Chem. Res.* **49**, 138 (2016), <http://pubs.acs.org/doi/abs/10.1021/acs.accounts.5b00361>.
9. Rico Mayro P. Tanyag, Charles Bernando, Curtis F. Jones, Camila Bacellar, Ken R. Ferguson, Denis Anielski, Rebecca Boll, Sebastian Carron, James P. Cryan, Lars Englert, Sascha W. Epp, Benjamin Erk, Lutz Foucar, Luis F. Gomez, Robert Hartmann, Daniel M. Neumark, Daniel Rolles, Benedikt Rudek, Artem Rudenko, Katrin R. Siefertmann, Joachim Ullrich, Fabian Weise, Christoph Bostedt, Oliver Gessner, and Andrey F. Vilesov, "X-ray coherent diffractive imaging by immersion in nanodroplets", *Struct. Dyn.* **2**, 051102 (2015), <http://scitation.aip.org/content/aca/journal/sdy/2/5/10.1063/1.4933297>.
10. Stefan Neppel and Oliver Gessner, "Time-resolved X-ray Photoelectron Spectroscopy Techniques for the Study of Interfacial Charge Dynamics", *J. Electron Spectrosc. Relat. Phenom.* **200**, 64 (2015), <http://dx.doi.org/10.1016/j.elspec.2015.03.002>.
11. Michael P. Ziemkiewicz, Daniel M. Neumark, and Oliver Gessner, "Ultrafast electronic dynamics in helium nanodroplets", *Int. Rev. Phys. Chem.* **34**, 239 (2015), <http://dx.doi.org/10.1080/0144235X.2015.1051353>.
12. Tiberiu Arion, Stefan Neppel, Friedrich Roth, Andrey Shavorskiy, Hendrik Bluhm, Zahid Hussain, Oliver Gessner, and Wolfgang Eberhardt, "Site-specific probing of charge transfer dynamics in organic photovoltaics", *Appl. Phys. Lett.* **106**, 121602 (2015), <http://dx.doi.org/10.1063/1.4916278>.
13. S. Neppel, Y.-S. Liu, C.-H. Wu, A. Shavorskiy, I. Zegkinoglou, T. Troy, D. S. Slaughter, M. Ahmed, A. S. Tremsin, J.-H. Guo, P.-A. Glans, M. Salmeron, H. Bluhm, and O. Gessner, "Toward Ultrafast *In Situ* X-Ray Studies of Interfacial Photoelectrochemistry", in *Ultrafast Phenomena XIX*, Kaoru Yamanouchi, Steven Cundiff, Regina de Vivie-Riedle, Makoto Kuwata-Gonokami, Louis DiMauro, Eds., Springer (2015), http://link.springer.com/chapter/10.1007/978-3-319-13242-6_79.
14. Stefan Neppel, Andrey Shavorskiy, Ioannis Zegkinoglou, Matthew Fraund, Daniel S. Slaughter, Tyler Troy, Michael P. Ziemkiewicz, Musahid Ahmed, Sheraz Gul, Bruce Rude, Jin Z. Zhang, Anton S. Tremsin, Per-Anders Glans, Yi-Sheng Liu, Cheng Hao Wu, Jinghua Guo, Miquel Salmeron, Hendrik Bluhm, and Oliver Gessner, "Capturing interfacial photoelectrochemical dynamics with picosecond time-resolved X-ray photoelectron spectroscopy", *Faraday Discuss.* **171**, 219 (2014), <http://pubs.rsc.org/EN/content/articlelanding/2014/fd/c4fd00036f#!divAbstract>.
15. Michael P. Ziemkiewicz, Camila Bacellar, Katrin Siefertmann, Stephen R. Leone, Daniel M. Neumark, and Oliver Gessner, "Femtosecond time-resolved XUV + UV photoelectron imaging of pure helium nanodroplets", *J. Chem. Phys.* **141**, 174306 (2014), <http://scitation.aip.org/content/aip/journal/jcp/141/17/10.1063/1.4900503>.
16. Andrey Shavorskiy, Stefan Neppel, Daniel S. Slaughter, James P. Cryan, Katrin R. Siefertmann, Fabian Weise, Ming-Fu Lin, Camila Bacellar, Michael P. Ziemkiewicz, Ioannis

- Zegkinoglou, Matthew W. Fraund, Champak Khurmi, Marcus P. Hertlein, Travis W. Wright, Nils Huse, Robert W. Schoenlein, Tolek Tylliszcak, Giacomo Coslovich, Joseph Robinson, Robert A. Kaindl, Bruce S. Rude, Andreas Ölsner, Sven Mähl, Hendrik Bluhm, and Oliver Gessner, “Sub-Nanosecond Time-Resolved Ambient-Pressure X-ray Photoelectron Spectroscopy Setup for Pulsed and Constant Wave X-ray Light Sources”, *Rev. Sci. Instrum.* **85**, 093102 (2014), <http://scitation.aip.org/content/aip/journal/rsi/85/9/10.1063/1.4894208>.
17. Luis F. Gomez, Ken R. Ferguson, James P. Cryan, Camila Bacellar, Rico Mayro P. Tanyag, Curtis Jones, Sebastian Schorb, Denis Anielski, Ali Belkacem, Charles Bernando, Rebecca Boll, John Bozek, Sebastian Carron, Gang Chen, Tjark Delmas, Lars Englert, Sascha W. Epp, Benjamin Erk, Lutz Foucar, Robert Hartmann, Alexander Hexemer, Martin Huth, Justin Kwok, Stephen R. Leone, Jonathan H.S. Ma, Filipe R. N. C. Maia, Erik Malmerberg, Stefano Marchesini, Daniel M. Neumark, Billy Poon, James Prell, Daniel Rolles, Benedikt Rudek, Artem Rudenko, Martin Seifrid, Katrin R. Siefertmann, Felix P. Sturm, Michele Swiggers, Joachim Ullrich, Fabian Weise, Petrus Zwart, Christoph Bostedt, Oliver Gessner, Andrey F. Vilesov, “Shapes and Vorticities of Superfluid Helium Nanodroplets”, *Science* **345**, 906 (2014), <http://www.sciencemag.org/content/345/6199/906>.
 18. K. R. Siefertmann, C. D. Pemmaraju, S. Nepl, A. Shavorskiy, A. A. Cordones, J. Vura-Weis, D. S. Slaughter, F. P. Sturm, F. Weise, H. Bluhm, M. L. Strader, H. Cho, M.-F. Lin, C. Bacellar, C. Khurmi, J. Guo, G. Coslovich, J. S. Robinson, R. A. Kaindl, R. W. Schoenlein, A. Belkacem, D. M. Neumark, S. R. Leone, D. Nordlund, H. Ogasawara, O. Krupin, J. J. Turner, W. F. Schlotter, M. R. Holmes, M. Messerschmidt, M. P. Minitti, S. Gul, J. Z. Zhang, N. Huse, D. Prendergast, and O. Gessner, “Atomic Scale Perspective of Ultrafast Charge Transfer at a Dye-Semiconductor Interface”, *J. Phys. Chem. Lett.* **5**, 2753 (2014), <http://pubs.acs.org/doi/abs/10.1021/jz501264x>.
 19. Kristina D. Closser, Oliver Gessner, and Martin Head-Gordon, “Simulations of the dissociation of small helium clusters with *ab initio* molecular dynamics in electronically excited states”, *J. Chem. Phys.* **140**, 134306 (2014), <http://scitation.aip.org/content/aip/journal/jcp/140/13/10.1063/1.4869193>.
 20. Ming-Fu Lin, Daniel M. Neumark, Oliver Gessner, and Stephen R. Leone, “Ionization and Dissociation Dynamics of Vinyl Bromide Probed by Femtosecond Extreme Ultraviolet Transient Absorption Spectroscopy”, *J. Chem. Phys.* **140**, 064311 (2014), <http://scitation.aip.org/content/aip/journal/jcp/140/6/10.1063/1.4865128>.
 21. Andrey Shavorskiy, Amy Cordones, Josh Vura-Weis, Katrin Siefertmann, Daniel Slaughter, Felix Sturm, Fabian Weise, Matthew Strader, Hana Cho, Ming-Fu Lin, Camila Bacellar, Champak Khurmi, Marcus Hertlein, Jinghua Guo, Hendrik Bluhm, Tolek Tylliszcak, David Prendergast, Giacomo Coslovich, Joseph Robinson, Robert A. Kaindl, Robert W. Schoenlein, Ali Belkacem, Thorsten Weber, Daniel M. Neumark, Stephen R. Leone, Dennis Nordlund, Hirohito Ogasawara, Anders R. Nilsson, Oleg Krupin, Joshua J. Turner, William F. Schlotter, Michael R. Holmes, Philip A. Heimann, Marc Messerschmidt, Michael P. Minitti, Martin Beye, Sheraz Gul, Jin Z. Zhang, Nils Huse, and Oliver Gessner, “Time-Resolved X-Ray Photoelectron Spectroscopy Techniques for Real-Time Studies of Interfacial Charge Transfer Dynamics”, *Application of Accelerators in Research and Industry*, AIP Conf. Proc. **1525**, 475 (2013), http://proceedings.aip.org/resource/2/apcpcs/1525/1/475_1.
 22. Olga Smirnova and Oliver Gessner, “Attosecond Spectroscopy”, *Chem. Phys.* **414**, 1 (2013), <http://www.sciencedirect.com/science/article/pii/S0301010412004740>.
 23. Ming-Fu Lin, Adrian N. Pfeiffer, Daniel M. Neumark, Stephen R. Leone, and Oliver Gessner, “Strong-field induced XUV transmission and multiplet splitting in $4d^{16}p$ core-excited Xe studied by femtosecond XUV transient absorption spectroscopy”, *J. Chem. Phys.* **137**, 244305 (2012), http://jcp.aip.org/resource/1/jcpsa6/v137/i24/p244305_s1.
 24. Oliver Bünermann, Oleg Kornilov, Daniel J. Haxton, Stephen R. Leone, Daniel M. Neumark, and Oliver Gessner, “Ultrafast Probing of Ejection Dynamics of Rydberg Atoms and

- Molecular Fragments from Electronically Excited Helium Nanodroplets”, *J. Chem. Phys.* **137**, 214302 (2012), http://jcp.aip.org/resource/1/jcpsa6/v137/i21/p214302_s1.
25. Fabian Weise, Daniel M. Neumark, Stephen R. Leone, and Oliver Gessner, “Differential near-edge coherent diffractive imaging using a femtosecond high-harmonic XUV light source”, *Opt. Express* **20**, 26167 (2012), <http://www.opticsexpress.org/abstract.cfm?URI=oe-20-24-26167>.
 26. J. P. Cryan, J. M. Glowia, J. Andreasson, A. Belkacem, N. Berrah, C. I. Blaga, C. Bostedt, J. Bozek, N. A. Cherepkov, L. F. DiMauro, L. Fang, O. Gessner, M. Gühr, J. Hajdu, M. P. Hertlein, M. Hoener, O. Kornilov, J. P. Marangos, A. M. March, B. K. McFarland, H. Merdji, M. Messerschmidt, V. Petrovic, C. Raman, D. Ray, D. Reis, S. K. Semenov, M. Trigo, J. White, W. White, L. Young, P. H. Bucksbaum, and R. N. Coffee, “Molecular Frame Auger Electron Energy Spectrum from N₂”, *J. Phys. B: At. Mol. Opt. Phys.* **45**, 055601 (2012), <http://iopscience.iop.org/0953-4075/45/5/055601/>.
 27. Oliver Bünermann, Oleg Kornilov, Stephen R. Leone, Daniel M. Neumark, and Oliver Gessner, “Femtosecond Extreme Ultraviolet Ion Imaging of Ultrafast Dynamics in Electronically Excited Helium Nanodroplets”, *IEEE J. Sel. Top. Quantum Electron.* **18**, 308 (2012), <http://dx.doi.org/10.1109/JSTQE.2011.2109054>.
 28. Oleg Kornilov, Oliver Bünermann, Daniel J. Haxton, Stephen R. Leone, Daniel M. Neumark, and Oliver Gessner, “Femtosecond photoelectron imaging of transient electronic states and Rydberg atom emission from electronically excited He droplets”, *J. Phys. Chem. A* **115**, 7891 (2011), <http://pubs.acs.org/doi/full/10.1021/jp2004216>.
 29. O. Gessner, O. Kornilov, M. Hoener, L. Fang, and N. Berrah, “Intense Femtosecond X-ray Photoionization Studies of Nitrogen - How Molecules interact with Light from the LCLS” *in* *Ultrafast Phenomena XVII*, M. Chergui, D. M. Jonas, E. Riedle, R. W. Schoenlein, A. J. Taylor, Eds., Oxford University Press (2011).
 30. L. Fang, M. Hoener, O. Gessner, F. Tarantelli, S.T. Pratt, O. Kornilov, C. Buth, M. Gühr, E.P. Kanter, C. Bostedt, J.D. Bozek, P.H. Bucksbaum, M. Chen, R. Coffee, J. Cryan, M. Glowia, E. Kukk, S.R. Leone, and N. Berrah, “Double core hole production in N₂: Beating the Auger clock”, *Phys. Rev. Lett.* **105**, 083005 (2010), <http://prl.aps.org/abstract/PRL/v105/i8/e083005>.
 31. James P. Cryan, J. M. Glowia, J. Andreasson, A. Belkacem, N. Berrah, C. I. Blaga, C. Bostedt, J. Bozek, C. Buth, L. F. DiMauro, L. Fang, O. Gessner, M. Guehr, J. Hajdu, M. P. Hertlein, M. Hoener, O. Kornilov, J. P. Marangos, A. M. March, B. K. McFarland, H. Merdji, V. Petrovic, C. Raman, D. Ray, D. Reis, F. Tarantelli, M. Trigo, J. White, W. White, L. Young, P. H. Bucksbaum, and R. N. Coffee, “Auger electron angular distribution of double core hole states in the molecular reference frame”, *Phys. Rev. Lett.* **105**, 083004 (2010), <http://prl.aps.org/abstract/PRL/v105/i8/e083004>.
 32. James M. Glowia, J. Cryan, J. Andreasson, A. Belkacem, N. Berrah, C. I. Blaga, C. Bostedt, J. Bozek, L. F. DiMauro, L. Fang, J. Frisch, O. Gessner, M. Gühr, J. Hajdu, M. P. Hertlein, M. Hoener, G. Huang, O. Kornilov, J. P. Marangos, A. M. March, B. K. McFarland, H. Merdji, V. S. Petrovic, C. Raman, D. Ray, D. A. Reis, M. Trigo, J. L. White, W. White, R. Wilcox, L. Young, R. N. Coffee, and P. H. Bucksbaum, “Time-resolved pump-probe experiments at the LCLS”, *Opt. Express* **18**, 17620 (2010), <http://www.opticsinfobase.org/oe/abstract.cfm?URI=oe-18-17-17620>.
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34. Oleg Kornilov, Russel Wilcox, and Oliver Gessner, "Nanograting-based compact vacuum ultraviolet spectrometer and beam profiler for in situ characterization of high-order harmonic generation light sources", *Rev. Sci. Instrum.* **81**, 063109 (2010), <http://link.aip.org/link/doi/10.1063/1.3443575>.
35. Oleg Kornilov, Chia C. Wang, Oliver Bünermann, Andrew T. Healy, Mathew Leonard, Chunte Peng, Stephen R. Leone, Daniel M. Neumark, and Oliver Gessner, "Ultrafast dynamics in Helium nanodroplets probed by femtosecond time-resolved EUV photoelectron imaging", *J. Phys. Chem. A* **114**, 1437 (2010), <http://pubs.acs.org/doi/abs/10.1021/jp907312t>.
36. Christer Z. Bisgaard, Owen J. Clarkin, Guorong Wu, Anthony M. D. Lee, Oliver Geßner, Carl C. Hayden, Albert Stolow, "Time-Resolved Molecular Frame Dynamics of Fixed-in-Space CS₂ Molecules", *Science* **323**, 1464 (2009), <http://www.sciencemag.org/cgi/content/abstract/323/5920/1464>.
37. Chia C. Wang, Oleg Kornilov, Oliver Gessner, Jeong Hyun Kim, Darcy S. Peterka and Daniel M. Neumark, "Photoelectron Imaging of Helium Droplets Doped with Xe and Kr Atoms", *J. Phys. Chem. A* **112**, 9356 (2008), <http://dx.doi.org/10.1021/jp802332f>.
38. Björn Zimmermann, Daniel Rolles, Burkhard Langer, Rainer Hentges, Markus Braune, Slobodan Cvejanović, Oliver Geßner, Franz Heiser, Sanja Korica, Toralf Lischke, Axel Reinköster, Jens Viefhaus, Reinhard Dörner, Vincent McKoy and Uwe Becker, "Localization and loss of coherence in molecular double-slit experiments", *Nature Phys.* **4**, 649 (2008); published online 15 June 2008 (10.1038/nphys993), <http://dx.doi.org/10.1038/nphys993>.
39. O. Geßner, A.M.D. Lee, E.t-H. Chrysostom, C.C. Hayden and A. Stolow, "Femtosecond Multidimensional Imaging - Watching Chemistry from the Molecule's Point of View", *in* *Ultrafast Phenomena XV*, P. Corkum, D. Jonas, R. J. D. Miller, A. M. Weiner, Eds., Springer-Verlag, Berlin (2007), http://dx.doi.org/10.1007/978-3-540-68781-8_118.
40. S. Levchenko, H. Reisler, A. Krylov, O. Gessner, A. Stolow, H. Shi, A.L.L. East, "Photodissociation dynamics of the NO dimer: 1. Theoretical overview of the ultraviolet singlet excited states", *J. Chem. Phys.* **125**, 84301 (2006), <http://link.aip.org/link/JCPSA6/v125/i8/p084301/s1&Agg=doi>.
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45. G. Prümper, J. Viefhaus, S. Cvejanović, D. Rolles, T. Lischke, R. Hentges, C. Wienberg, U. Becker, B. Langer, O. Geßner, T. Prosperi, N. Zema, S. Turchini, W. Mahler, B. Zada, F. Senf, "Upper Limits for stereo-selective photo dissociation of free Amino Acids in the VUV

- and at the C1s-Edge”, Phys. Rev. A **69**, 62717 (2004), <http://link.aps.org/abstract/PRA/v69/e062717>.
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Patents

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